



# TITLE V OPERATING PERMIT

Issued pursuant to Title 22a of the Connecticut General Statutes (CGS) and §22a-174-33 of the Regulations of Connecticut State Agencies (RCSA) and pursuant to the Code of Federal Regulations (CFR), Title 40, Part 70.

<b>Title V Permit Number</b>	200-0034-TV
<b>Client/Sequence/Town/Premises Numbers</b>	5395/1/200/26
<b>Date Issued</b>	October 18, 2002
<b>Expiration Date</b>	5 years from the Date Issued

**Corporation:**

Eyelematic Manufacturing Company, Inc.

**Premises location:**

1 Seemar Road, Watertown, Connecticut 06795

**Name of Responsible Official and Title:**

David Lacombe, Environmental & Safety Manager

All the following attached pages, 2 through 42, are hereby incorporated by reference into this Title V Operating Permit.

ARTHUR J. ROCQUE, JR.  
Arthur J. Rocque, Jr.  
Commissioner

October 18, 2002  
Date

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## LIST OF ACRONYMS

<i>Acronym</i>	<i>Description</i>
acfm	Actual cubic feet per minute
AP-42	Compilation of Air Pollutant Emission Factors, AP-42 Fifth Edition, Volume 1: Stationary Point and Area Sources
ASC	Actual Stack Concentration
BACT	Best Available Control Technology
BAM	Bureau of Air Management
CEM	Continuous Emission Monitor
CFR	Code of Federal Regulations
CO	Carbon Monoxide
CP/OP	Construction Permit/Operating Permit
CTG	Control Technology Guideline
DEP	Department of Environmental Protection
dscf	Dry standard cubic feet
dscm	Dry standard cubic meters
EU	Emission Unit
ERC	Emission Reduction Credit
EPA	Environmental Protection Agency
FLER	Full load emission rate
GEU	Grouped Emission Unit
GPEE	General Permit to Construct and/or Operate a New or Existing Emergency Engine
gph	Gallons per hour
gpm	Gallons per minute
HAP	Hazardous Air Pollutant
HLV	Hazard Limiting Value
LAER	Lowest Achievable Emission Rate
MACT	Maximum Achievable Control Technology
MASC	Maximum Allowable Stack Concentration
MSDS	Material Safety Data Sheet
NESHAP	National Emission Standards for Hazardous Air Pollutants
NOx	Nitrogen Oxides
NSR	New Source Review
PM	Particulate Matter
ppmv	Parts per million, volumetric basis
PTE	Potential to Emit
RACT	Reasonably Available Control Technology
RCSA	Regulations of Connecticut State Agencies
RMP	Risk Management Plan
SIC	Source Identification Code
SIP	State Implementation Plan
TOC	Total Organic Carbon
tph	Tons per hour
tpy	Tons per year
TSP	Total Suspended Particulate
VOC	Volatile Organic Compound

## **Title V Operating Permit**

**All conditions in Sections III through VII of this permit are enforceable by both the Administrator and the commissioner unless otherwise specified. Applicable requirements and compliance demonstration are set forth in Section III of this permit. The Administrator or any citizen of the United States may bring an action to enforce all permit terms or conditions or requirements contained in Sections III through VII of this permit in accordance with the Clean Air Act (CAA), as amended.**

## **Section I: Premises Information and Description**

### **A. PREMISES INFORMATION**

Nature of Business:                    Producer of packaging cases for the cosmetics industry.  
Primary SIC:                            3469

Facility Mailing Address:            Eyelematic Manufacturing Company  
   1 Seemar Road  
   Watertown, Connecticut 06795

Telephone Number:                    (860)-274-6791

### **B. PREMISES DESCRIPTION**

Eyelematic Manufacturing Company is a producer of packaging cases for the cosmetics industry. Most of the parts produced by the source have a surface area of less than 10 square inches, but the volume produced is high. The basic material processes for the cases are deep drawing and stamping of aluminum and injection molding of plastic. The metal parts are processed on site, but the plastic parts are purchased from outside sources. The metal parts subsequently are buffed, polished, washed or degreased, and finally lacquered prior to shipping. Electrostatic disk and spray techniques are used to apply coating to the parts produced.

## Section II: Emission Unit Description

### A. EMISSIONS UNITS IDENTIFICATION: STANDARD OPERATING SCENARIO (SOS) AND ALTERNATIVE OPERATING SCENARIOS (AOS)

Emission units are set forth in Table II.A.1.

TABLE II.A.1: EMISSION UNIT DESCRIPTION			
Emission Units	Emission Unit Description	Control Unit Description	Permit, Order, or Registration Number*
EU 1	Baron Blaksley Continuous Belt Vapor Degreaser, Model THVSSSV (Conveyorized Batch)	Chiller and Carbon Absorber	Unregistered
EU 2	Coating Lines #1, #2 & #3	Smith Thermal Oxidizer Model No. 05080 & Torit Baghouse on Line #3	P-200-0015
EU 3	Ace Model 230TLG Paint Stripping Indirect Gas-Fired Oven	None	P-200-0014
EU 4	Cleaver Brooks Boiler, CB200-80, Serial No. LA67274	None	None
EU 5	York Gas Fired Heater #1, Model D1SS180G40046ECB	None	None
EU 6	York Gas Fired Heater #2, Model D1SS180G40046ECB	None	None
EU 7	York Gas Fired Heater #3, Model D1SS180G40046ECB	None	None
EU 8	Gas Fired Heating Unit #1	None	None
EU 9	Gas Fired Heating Unit #2	None	None
EU 10	Gas Fired Heating Unit #3	None	None
EU 11	Gas Fired Heating Unit #4	None	None
EU 12	Gas Fired Heating Unit #5	None	None
EU 13	Gas Fired Heating Unit #6	None	None
EU 14	Gas Fired Heating Unit #7	None	None
EU 15	Gas Fired Heating Unit #8	None	None
EU 16	Gas Fired Heating Unit #9	None	None
EU 17	Gas Fired Heating Unit #10	None	None
EU 18	Gas Fired Heating Unit #11	None	None
EU 19	Gas Fired Heating Unit #12	None	None
EU 20	Gas Fired Heating Unit #13	None	None
EU 21	Gas Fired Heating Unit #14	None	None
EU 22	Gas Fired Heating Unit #15	None	None
EU 23	Gas Fired Heating Unit #16	None	None
EU 24	Gas Fired Heating Unit #17	None	None
EU 25	Gas Fired Heating Unit #18	None	None
EU 26	Gas Fired Heating Unit #19	None	None
EU 27	Gas Fired Heating Unit #20	None	None
EU 28	Gas Fired Heating Unit #21	None	None
EU 29	Gas Fired Heating Unit #22	None	None
EU 30	Gas Fired Heating Unit #23	None	None
EU 31	Gas Fired Heating Unit #24	None	None
EU 32	Gas Fired Heating Unit #25	None	None
EU 33	Gas Fired Heating Unit #26	None	None
EU 34	Gas Fired Heating Unit #27	None	None
EU 35	Gas Fired Heating Unit #28	None	None
EU 36	Gas Fired Heating Unit #29	None	None

\* It is not intended to incorporate by reference these NSR Permits, Orders, or Registrations into this Title V permit.

## Section II: Emission Unit Description

### A. EMISSIONS UNITS IDENTIFICATION: STANDARD OPERATING SCENARIO (SOS) AND ALTERNATIVE OPERATING SCENARIOS (AOS), continued

Emission units are set forth in Table II.A.1.

TABLE II.A.1: EMISSION UNIT DESCRIPTION, continued			
Emission Units	Emission Unit Description	Control Unit Description	Permit, Order, or Registration Number*
EU 37	Gas Fired Heating Unit #30	None	None
EU 38	Gas Fired Heating Unit #31	None	None
EU 39	Gas Fired Heating Unit #32	None	None
EU 40	Gas Fired Heating Unit #33	None	None
EU 41	Gas Fired Heating Unit #34	None	None
EU 42	Gas Fired Heating Unit #35	None	None
EU 43	UV Curing Resin Surface Coating System including booth, conveyer, and applicator equipment components	None	200-0043-GPSC
GEU 1	EU 5 – EU 7	None	None
GEU 2	EU 8 – EU 42	None	None

The Permittee shall be allowed to operate under the following scenarios without notifying the commissioner, provided that such operations are explicitly provided for and described in the table below. The Permittee shall record contemporaneously with the operation of emission units, the operating scenario under which each emissions unit is operating in a log to be kept at the subject premises.

TABLE II.A.2: EMISSIONS UNIT IDENTIFICATION, SOS AND AOS		
Identification of Operating Scenarios	Emissions Unit(s) Associated with the Scenarios	Description of Scenarios
SOS-1	EU 1	EU 1 is a continuous belt, batch-fed vapor degreaser that uses trichloroethylene. It has an internal carousel arrangement with parts loading/unloading at one station and a separate still. Both EU 1 and its still are served by an internal exhaust ventilation system that uses activated carbon beds to recover trichloroethylene vapors from the air stream prior to discharge outdoors.
SOS-2	EU 2, EU 3 & EU 4	EU 2 are three coating lines. EU 3 is a paint burn-off oven used to clean fixtures used in the coating process. EU 4 is a 3.35 MMBtu/hr boiler used in support of EU 2.
SOS-3	GEU 1 & GEU 2	GEU 1 are EU 5 – EU 7. GEU 1 are three space heaters that have a total heat input of 4.0 MMBtu/hr combined. GEU 2 are EU 8 – EU 42. GEU 2 are space heaters that have heat inputs ranging from 0.05 MMBtu/hr to 0.36 MMBtu/hr. GEU 1 and GEU 2 are all natural gas fuel fired.
SOS-4	EU 43	EU 43 is an UV curing resin surface coating system including booth, conveyor, and applicator equipment components.

### Section III: Applicable Requirements and Compliance Demonstration

The following tables contain terms and conditions for the operation of each identified Emission Unit, and Operating Scenario regulated by this permit.

#### A. EU 1

Table III.A.: EU 1				
Operating Scenarios Identification	Pollutants or Process Parameters	Limitations or Restrictions	Applicable Regulatory References/ Citations	Compliance Demonstration Condition Number
SOS-1	Trichloroethylene Emissions	Control combination Option #2, Table 3 of the MACT Regulations	40 CFR, Part 63 Subpart T	A.3

#### Parameters

A.1. Emissions of trichloroethylene shall not exceed the limitations stated in Table III.A. Notwithstanding any other provision of this permit, demonstration of compliance with such limitations shall be based on the following requirements.

##### A.1.a. *Equipment Design Standards-*

- i. An idling and downtime mode cover, that may be readily opened or closed easily without disturbing the vapor zone, that completely covers the cleaning machine openings when in place, and is free of cracks, holes, and other defects. The cover shall be in place during the idling mode and the downtime mode unless either the solvent has been removed from the machine or maintenance or monitoring is being performed that requires the cover to not be in place. [40 CFR §63.463(a)(1)(i), 40 CFR §63.463(d)(1)(i) & RCSA §22a-174-20(l)(5)(G)]
- ii. Freeboard ratio of 0.75 or greater. [40 CFR §63.463(a)(2)]
- iii. Automated parts handling system with a speed of 3.4 meters per minute (11 feet per minute) or less from the initial loading of parts through removal of cleaned parts. [40 CFR §63.463(a)(3)].
- iv. Vapor level control device that shuts off the sump heat if the sump liquid solvent level drops to the sump heater coils or if the vapor level rises above the height of the primary condenser or if the coolant is not circulating. [40 CFR §63.463(a)(4), 40 CFR §63.463(a)(5) & RCSA §22a-174-20(l)(5)(B)(i)]
- v. A spray safety switch which shuts off the spray pump or the conveyer if the vapor level drops more than ten (10) centimeters (4 inches) below the lowest condensing coil. [RCSA §22a-174-20(l)(5)(B)(ii)]
- vi. Primary condenser. [40 CFR §63.463(a)(6)]
- vii. Control combination Option #2, Table 3: freeboard refrigeration device, freeboard ratio of 1.0. [40 CFR §63.463(c)(1)(i) & RCSA §22a-174-20(l)(5)(A)(i)]

##### A.1.b. *Monitoring Requirements-*

The Permittee shall comply with the following requirements:

- i. Conduct monitoring of each control device (i.e., freeboard refrigeration device, freeboard ratio of 1.0) used to comply with the "Equipment Design Specification Section". [40 CFR §63.463(e)(1)]
- ii. During each monitoring period, the Permittee shall ensure that the chilled air blanket



### Section III: Applicable Requirements and Compliance Demonstration

temperature (in °F or °C), of the freeboard refrigeration device, measured at the center of the air blanket, is no greater than 30 percent of the solvent's boiling point. The Permittee shall use a thermometer or thermocouple to measure the temperature at the center of the air blanket during the idling mode. [40 CFR §63.463(e)(2)(i) & 40 CFR §63.466(a)(1)]

- iii. If the temperature requirement Part ii. of this section is exceeded and is not corrected within 15 days of detection, adjustments or repairs shall be made to the vapor degreaser or to the freeboard refrigeration device to reestablish required levels. The temperature must be remeasured immediately upon adjustment or repair and demonstrated to be within the limit required by this permit. [40 CFR §63.463(e)(2)(ii)]
- iv. If the Permittee does not comply with the requirements of Parts i. – iii. and has not corrected them within 15 days of detection, an exceedance has occurred. Adjustments or repairs shall be made to the solvent cleaning system or control device to reestablish required levels. The parameter must be remeasured immediately upon adjustment or repair and demonstrated to be within required limits. [40 CFR §63.463(e)(3)(i)-(ii)]
- v. The Permittee shall determine their potential to emit from all solvent cleaning operations on the premises. The premises' total potential to emit for each individual cleaning operations, plus all HAP emissions from other sources within the premises.
  - A. Determine the potential to emit for each individual solvent cleaning machine using the following equation:  
$$PTE_i = H_i \times W_i \times SAI_i$$

Where,  $PTE_i$  = the potential to emit for solvent cleaning machine i (hours per year)  
 $W_i$  = the working mode uncontrolled emission rate (kilograms per square meter per hour)  
 $SAI_i$  = solvent/air interface area of solvent cleaning machine i (square meters)  
(Solvent/air interface area is the surface area of the vapor zone that is exposed to the air)[40 CFR §63.465(e)(1)]
  - B. Cleaning machines that do not have a solvent/air interface shall calculate a solvent/air interface area using the following equation:  
$$SAI = 2.20 \times (Vol)^{0.6}$$

Where,  $SAI$  = the solvent/air interface area (square meters)  
 $Vol$  = the cleaning capacity of the solvent cleaning machine (cubic meters).  
[40 CFR §63.465(e)(2)]
  - C. Sum the  $PTE_i$  for all solvent cleaning operations to obtain the total potential to emit for solvent cleaning operations at the premises. [40 CFR §63.465(e)(3)]
- viii. The Permittee shall monitor the hoist speed as described below:
  - A. The Permittee shall determine the hoist speed by measuring the time it takes for the hoist speed by measuring the time it takes for the hoist to travel a measured distance. The speed is equal to the distance it meters divided by the time in minutes (meters per minute). [40 CFR §63.466(c)(1)]
  - B. The monitoring shall be conducted monthly. If after the first year, no exceedances of the hoist speed occurs during quarterly monitoring, the monitoring frequency returns to monthly until another year of compliance without an exceedance is demonstrated. [40 CFR §63.466(c)(2)]
  - C. If an exceedance of the hoist speed occurs during quarterly monitoring, the monitoring frequency returns to monthly until another year of compliance without an exceedance is demonstrated. [40 CFR §63.466(c)(3)]
  - D. If the Permittee can demonstrate to the Administrator's or Commissioner's satisfaction in the initial compliance report that the hoist cannot exceed a speed

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- of 3.4 meters per minute (11 feet per minute), the required monitoring frequency is quarterly, including the first year of compliance. [40 CFR §63.466(c)(4)]
- ix. The Permittee using control devices listed in Parts i – viii of this section can use alternative monitoring procedures approved by the Administrator or the Commissioner. [40 CFR §63.466(g)]
  - x. The Permittee shall comply with the General Provisions of Subpart T. [40 CFR Part 63 Subpart T Appendix B].

#### A.1.c. *Record Keeping Requirements-*

In accordance with Section VII.F. of this permit, make and maintain the following records for a minimum of five years, commencing on the date such records were created [RCSA §22a-174-33(o)(2)]

- i. Owner's manuals, or if not available, written maintenance and operating procedures, for the vapor degreaser and control equipment. [40 CFR §63.467(a)(1)]
- ii. The date of installation of the vapor degreaser and all of its control devices. If the exact date for installation is not known, a letter certifying that the vapor degreaser and its control devices were installed prior to, or on November 29, 1993, or after November 29, 1993, may be substituted. [40 CFR §63.467(a)(2)]
- iii. Records for the halogenated HAP solvent content for each solvent used in the vapor degreaser. [40 CFR §63.467(a)(5)]
- iv. The results of the control device monitoring specified in the "Monitoring Requirements" section. [40 CFR §63.467(b)(1)]
- v. Information on the actions taken to comply with the requirements specified in "Monitoring Requirements" section. This information shall include records of written or verbal orders for replacement part, a description of the repairs made, and additional monitoring conducted to demonstrate that monitored parameters stated in the "Monitoring Requirements" section have returned to accepted levels. [40 CFR §63.467(b)(2)]
- vi. Maintain a monthly and annual record of the amount of solvent added to each unit. [40 CFR §63.467(b)(3) 7 RCSA §22a-174-20(l)(5)(M)]

#### A.1.d. *Reporting Requirements-*

- i. The Permittee of the vapor degreaser shall submit to the Administrator and Commissioner an annual report by February 1 of the year following the one for which the reporting is being made. This report shall include the requirements specified below:
  - A. A signed statement from the Permittee or his/her designee stating that, "All operators of solvent cleaning machines have received training on the proper operation of solvent cleaning machines and their control devices sufficient to pass the test required in §63.463(d)(10)." [40 CFR §63.468(f)(1)]
  - B. An estimate of solvent consumption for each solvent cleaning machine during the reporting period. [40 CFR §63.468(f)(2)]
- ii. The Permittee of the vapor degreaser shall submit an exceedance report to the Administrator or Commissioner semiannually except when, the Administrator or Commissioner determines on a case-by-case basis that more frequent reporting is necessary to accurately assess the compliance status of the source or, an exceedance occurs. Once an exceedance has occurred the Permittee shall follow a quarterly

### Section III: Applicable Requirements and Compliance Demonstration

reporting frequency under this section is approved. Exceedance reports shall be delivered or postmarked by the 30<sup>th</sup> day following the end of each calendar half or quarter, as appropriate. The exceedance report shall include the applicable information below:

- A. Information on the actions taken to comply with the “Monitoring and Testing Requirements” section. This information shall include records of written or verbal orders for replacement parts, a description of the repairs made, and additional monitoring conducted to demonstrate that monitored parameters have returned to accepted levels. [40 CFR §63.486(h)(1)]
  - B. If an exceedance has occurred, the reason for the exceedance and a description of the actions taken. [40 CFR §63.468(h)(2)]
  - C. If no exceedances of a parameter have occurred, or a piece of equipment has not been inoperative, out of control, repaired, or adjusted, such information shall be stated in the report. [40 CFR §63.468(h)(3)]
- iii. A Permittee who is required to submit an exceedance report on a quarterly (or more frequent) basis may reduce the frequency of reporting to semiannual if the following conditions are met:
- A. The source has demonstrated a full year of compliance without an exceedance. [40 CFR §63.468(i)(1)]
  - B. The Permittee continues to comply with all relevant record keeping and monitoring requirements specified in Subpart A of the General Provisions and 40 CFR Part 63 Subpart T. [40 CFR §63.468(i)(2)]
  - C. The Administrator and Commissioner do not object to a reduced frequency of reporting for this vapor degreaser as provided in paragraph (e)(3)(iii) of Subpart A of the General Provisions. [40 CFR §63.468(i)(3)]

#### A.1.e. *Work Practice Standards-*

The Permittee of the vapor degreaser shall meet all of the of the following work and operational practices specified below:

- i. Control air disturbances across the degreaser by complying with one of the following two options:
  - A. Incorporating a cover during the idling mode and during the downtime mode unless either the solvent has been removed from the degreaser or maintenance or monitoring is being performed that requires the cover to be in place. [40 CFR §63.463(d)(1)(i) & RCMA §22a-174-20(l)(5)(G)]
  - B. A reduced room draft. [40 CFR §63.463(d)(1)(ii)]
- ii. The parts basket or the parts being cleaned in the degreaser shall not occupy more than 50 percent of the solvent/air interface area unless the parts basket or parts introduced at a speed of 0.9 meters per minute (3 feet per minute) or less. [40 CFR §63.463(d)(2)]
- iii. Any spraying operations shall be done within the vapor zone or within a section of solvent cleaning machine that is not directly exposed to the ambient air (i.e., a baffled or enclosed area of the solvent cleaning machine.) [40 CFR §63.463(d)(3)]
- iv. Parts shall be oriented so that the solvent drains from them freely. Parts having cavities or blind holes shall be tipped or rotated before being removed from the degreaser unless an equally effective approach has been approved by the Administrator. [40 CFR §63.463(d)(4)]
- v. Minimize solvent carryout by complying with the following options:

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- A. Parts baskets or parts shall not be removed from the degreaser until the dripping has stopped. [40 CFR §63.463(d)(5)]
  - B. Rack parts to allow complete drainage. [RCSA §22a-174-20(l)(5)(D)]
  - C. Use either a drying tunnel, rotating basket, or other equivalent method to prevent cleaned parts from carrying out solvent liquid. [RCSA §22a-174-20(l)(5)(F)]
- vi. During startup of the degreaser, the sump heater shall be turned off and the solvent vapor layer allowed to collapse before the primary condenser is turned off. [40 CFR §63.463(d)(6)]
- vii. During shutdown of the degreaser, the sump heater shall be turned off and the solvent vapor layer allowed to collapse before the primary condenser is turned off. [40 CFR §63.463(d)(7)]
- viii. When solvent is added or drained from the degreaser, the solvent shall be transferred using threaded or other leak-proof couplings and the end of the pipe in the solvent sump shall be located beneath the liquid solvent surface. [40 CFR §63.463(d)(8)]
- ix. The vapor degreaser and associated controls shall be maintained as recommended by the manufacturers of the equipment or using alternative maintenance practices that have been demonstrated to the Administrator's satisfaction to achieve the same or better results as those recommended by the manufacturer. [40 CFR §63.463(d)(9)]
- x. The Permittee of the degreaser shall complete and pass the applicable sections of the test of solvent cleaning operating procedures in Appendix B of 40 CFR Subpart T if requested during an inspection by the Administrator. [40 CFR §63.463(d)(10)]
- xi. Waste solvent, stills bottoms, and sump bottoms shall be collected and stored in closed containers and not transfer it to another party. The closed containers may contain a device that would allow pressure relief, such that greater than 20 (percent) of the waste degreasing solvent (by weight) can evaporate into the atmosphere, but would not allow liquid solvent to drain from the container. [40 CFR §63.463(d)(11) & RCSA §22a-174-20(l)(5)(C)]
- xii. Sponges, fabric, wood, paper products, or other porous or absorbent materials shall not be cleaned. [40 CFR §63.463(d)(12)]
- xiii. Maintain conveyor speed at less than eleven (11) feet per minute. [RCSA §22a-174-20(l)(5)(E)]
- xiv. Do not provide exhaust ventilation exceeding twenty (20) cubic meters per minute per square meter (65 cubic feet per minute per square foot) or degreasing unit open area, unless necessary to meet OSHA requirements. [RCSA §22a-174-20(l)(5)(J)]
- xv. The vapor degreaser shall be operated so as to prevent water from being visually detectable in solvent exiting the water separator. [RCSA §22a-174-20(l)(5)(I)]
- xvi. The vapor degreaser shall not be operated upon the occurrence of any visible solvent leak until such leak is repaired. [RCSA §22a-174-20(l)(5)(K)]
- xvii. Provide a permanent, conspicuous label on or posed near each unit summarizing the applicable operating requirements. [RCSA §22a-174-20(l)(5)(L)]

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#### B. EU 2

Table III.B.: EU 2				
Operating Scenarios Identification	Pollutants or Process Parameters	Limitations or Restrictions	Applicable Regulatory References/ Citations	Compliance Demonstration Condition Number
SOS-2	Control Equipment	EU 2 shall not operate without the Smith Model 05080 Thermal Oxidizer. The interlock system controlling the incinerator and coating equipment must be in operation at all times.	CP/OP-163-0015	B.1
SOS-2	Allowable Fuel	Natural Gas	CP/OP-163-0015	B.1
SOS-2	Maximum Fuel Firing Rate	1800 ft <sup>3</sup> /hr	CP/OP-163-0015	B.1
		1.8 MM BTU/hr		
SOS-2	Maximum Fuel Use	7,200,000 ft <sup>3</sup> per consecutive 12 month period	CP/OP-163-0015	B.1
SOS-2	Maximum Coating Application Rate	4.0 gal/hr	CP/OP-163-0015	B.2
SOS-2	Maximum Exhaust Flow Rate	7954.55 ACFM	CP/OP-163-0015	B.3
SOS-2	Minimum Stack Height	20 feet	CP/OP-163-0015	B.3
SOS-2	Minimum Distance to Property Line	336 feet	CP/OP-163-0015	B.3
SOS-2	Minimum Destruction Efficiency	95%	CP/OP-163-0015	B.4
SOS-2	Minimum Capture Efficiency	100%	CP/OP-163-0015	B.4
SOS-2	PM Emissions	≤ 0.69 lb/hr	CP/OP-163-0015	B.5
		≤ 1.38 TPY		
SOS-2	SO <sub>x</sub> Emissions	≤ 0.001 lb/hr	CP/OP-163-0015	B.6
		≤ 0.002 TPY		
SOS-2	NO <sub>x</sub> Emissions	≤ 0.18 lb/hr	CP/OP-163-0015	B.7
		≤ 0.36 TPY		
SOS-2	VOC Emissions	≤ 0.04 lb/hr	CP/OP-163-0015	B.8
		≤ 0.08 TPY		
SOS-2	CO Emissions	≤ 3.73 lb/hr	CP/OP-163-0015	B.9
		≤ 7.46 TPY		

### Section III: Applicable Requirements and Compliance Demonstration

#### Parameters

B.1. Notwithstanding any other provision of this permit, the Permittee shall demonstrate compliance with the fuel limitations set forth in Table III.B. based on the following requirements.

B.1.a. *Record Keeping Requirements-*

In accordance with Section VII.F. of this permit, make and maintain the following records for a minimum of five years, commencing on the date such records were created [RCSA §22a-174-33(o)(2)]:

- i. Shipping receipt from the fuel supplier. The shipping receipt and/or certification shall include the name of the fuel supplier. [RCSA §22a-174-19(a)(5)]
- ii. Documentation of the amount of fuel fired by the unit each hour shall be made each day. Documentation of the amount of fuel fired by the unit each month shall be made each month. Documentation of the amount of fuel fired by the unit for each of the prior consecutive twelve months shall be made each month.
- iii. Calculations showing the maximum actual gross heat input in BTU/hr shall be made each month. Documentation in support of any assumptions or data used in these calculations shall also be maintained.

B.1.b. *Reporting Requirements-*

- i. Provide the records specified in Section III.B.1.a. to the commissioner within thirty days of receipt of a written request from the commissioner or such sooner time as the commissioner may require. [RCSA §22a-174-4(c)(1)]
- ii. The Permittee shall provide written monitoring reports to the Commissioner by the 30<sup>th</sup> day following the end of each semi-annual period in accordance with Section VII.E.

B.2. Parameters shall not exceed the limitations stated in Table III.B. Notwithstanding any other provision of this permit, the Permittee shall demonstrate compliance with such limitations based on the following requirements.

B.2.a. *Monitoring and Testing Requirements-*

- i. Verify the coating applications using parametric monitors daily. [RCSA §22a-174-33(j)(1)(K)(ii)]

B.2.b. *Record Keeping Requirements-*

In accordance with Section VII.F. of this permit, make and maintain the following records for a minimum of five years, commencing on the date such records were created. [RCSA §22a-174-33(o)(2)]:

- i. Documentation of the maximum coating application rate shall be made daily.

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#### B.2.c. *Reporting Requirements-*

- i. Review recorded data daily and report to the Commissioner within two (2) working days any exceedances of an allowable limit. [Section VII.I.]
- ii. Provide written monitoring reports to the Commissioner by the 30<sup>th</sup> day following the end of each semi-annual period in accordance with Section VII.E.
- iii. Provide the records specified in Section III.B.2.b. to the Commissioner within thirty days of receipt of a written request from the Commissioner or such sooner time as the Commissioner may require. [RCSA §22a-174-4(c)(1)]

B.3 Notwithstanding any other provision of this permit, demonstration of compliance with the stack parameters listed in Table III.B shall be based on the following requirements:

#### B.3.a. *Record Keeping Requirements-*

In accordance with Section VII.F. of this permit, the Permittee shall make and maintain the following records for the life of the equipment [§22a-174-33(o)(2)]:

- i. Calculations and documentation, including parametric source test data, showing the exhaust gas flow rates and exhaust gas temperature from the unit. Documentation in support of any assumptions or data used in these calculations shall also be maintained.
- ii. Documentation certifying the actual height of the stacks through which the unit exhausts.
- iii. Documentation certifying the distance of the stack to the nearest property line.

#### B.3.b. *Reporting Requirements-*

- i. The Permittee shall provide the records specified in Section III.B.3.a. to the Commissioner within thirty days of receipt of a written request from the Commissioner or such sooner time as the Commissioner may require. [RCSA §22a-174-4(c)(1)]

B.4 The destruction and capture efficiencies of the thermal oxidizer shall be greater than or equal to the limitation stated in Table III.B. Notwithstanding any other provision of this permit, demonstration of compliance with such limitations shall be based on the following requirements:

#### B.4.a. *Control Equipment Malfunction-*

- i. Equipment or methods which control "air pollutant" "emissions" from a "stationary source" and which are necessary to the operation of such "stationary source" in compliance with applicable "emission standards" and regulations shall be maintained in operation at all times that the "stationary source" is in operation or emitting "air pollutants". This includes instruments required by permit, order, or regulation which measure those source operating parameters which affect air pollutant emissions, air pollution control equipment, or other instruments which measure meteorological data required by permit, order or regulation. [CP/OP-163-0015]
- ii. No "person" shall deliberately shut down any such control equipment, method or other instruments specified in subsection 22a-174-7(a) while the "source" is in operation except for such necessary maintenance as cannot be accomplished when the "stationary source" itself is not in operation and is not emitting "air pollutants". [CP/OP-163-0015]

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- iii. In the event of breakdown, failure, or deliberate shut down of any control equipment, method, or other instrument specified in subsection 22a-174-7(a) during which time the "stationary source" will be in operation, all reasonable measures shall be taken to assure resumption of the control equipment as soon as possible. Due diligence shall be exercised to minimize "emissions" while the control equipment or method is inoperative. In the event such shutdown of control equipment or methods is expected or may reasonably be expected to continue for longer than 72 hours, and if the "source" is to be operated at any time during that period, the "Commissioner" shall be notified promptly except that for a resource recovery facility such time period shall be 24 hours. Such notice shall include, but is not limited to, the following[CP/OP-163-0015]:
  - A. Identification of the specific equipment or instrument taken out, or to be taken out, of service as well as its location, and, where applicable, registration or permit number;
  - B. The expected length of time that the "air pollution" control equipment or instrument will be out of service;
  - C. The nature and quantity of "emissions" of "air pollutants" likely to be emitted during the shutdown period;
  - D. Measures such as the use of off-shift labor and equipment that will be taken to minimize the length of the shutdown period;
  - E. The reasons that it would be impossible or impractical to shut down the "stationary source" operation during the maintenance period;
- iv. The "Commissioner" may attach conditions to the operation of the "source" during the period of shutdown or breakdown. [CP/OP-163-0015]

### Emissions

B.5. Emissions of PM shall not exceed the limitations stated in Table III.B. Notwithstanding any other provision of this permit, the Permittee shall demonstrate compliance with such limitations based on the following requirements:

B.5.a. *Monitoring and Testing Requirements-*

- i. Verify emissions using hourly fuel monitoring and engineering calculations. [RCSA §22a-174-33(j)(1)(K)(ii)]
- ii. Annual emissions shall be verified by adding the current month's emissions to the previous eleven months' emissions. [RCSA §22a-174-33(j)(1)(K)(ii)]

B.5.b. *Record Keeping Requirements-*

- i. Records of hourly and annual fuel usage shall be kept. [RCSA §22a-174-33(o)(2)]

B.5.c. *Reporting Requirements-*

- i. On a daily basis, review data recorded and calculated for that day and report to the Commissioner within two (2) working days any exceedances of an emission limit. [Section VII.I.]
- ii. Provide written monitoring reports to the Commissioner by the 30<sup>th</sup> day following the end of each semi-annual period in accordance with Section VII.E.
- iii. Provide the records specified in Section III.B.5.b. to the Commissioner within thirty



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days of a receipt of a written request from the Commissioner or such sooner time as the Commissioner may require. [RCSA §22a-174-4(c)(1)]

- B.6. Emissions of SO<sub>x</sub> shall not exceed the limitations stated in Table III.B. Notwithstanding any other provision of this permit, the Permittee shall demonstrate compliance with such limitations based on the following requirements:

B.6.a. *Monitoring and Testing Requirements-*

- i. Verify emissions using hourly fuel monitoring and engineering calculations. [RCSA §22a-174-33(j)(1)(K)(ii)]
- ii. Annual emissions shall be verified by adding the current month's emissions to the previous eleven months' emissions. [RCSA §22a-174-33(j)(1)(K)(ii)]

B.6.b. *Record Keeping Requirements-*

- i. Records of hourly and annual fuel usage shall be kept. [RCSA §22a-174-33(o)(2)]

B.6.c. *Reporting Requirements-*

- i. On a daily basis, review data recorded and calculated for that day and report to the Commissioner within two (2) working days any exceedances of an emission limit. [Section VII.I.]
- ii. Provide written monitoring reports to the Commissioner by the 30<sup>th</sup> day following the end of each semi-annual period in accordance with Section VII.E.
- iii. Provide the records specified in Section III.B.6.b. to the Commissioner within thirty days of a receipt of a written request from the Commissioner or such sooner time as the Commissioner may require. [RCSA §22a-174-4(c)(1)]

- B.7. Emissions of NO<sub>x</sub> shall not exceed the limitations stated in Table III.B. Notwithstanding any other provision of this permit, the Permittee shall demonstrate compliance with such limitations based on the following requirements:

B.7.a. *Monitoring and Testing requirements-*

- i. Verify emissions using hourly fuel monitoring and engineering calculations. [RCSA §22a-174-22 and RCSA §22a-174-33(j)(1)(K)(ii)]
- ii. Annual emissions shall be verified by adding the current month's emissions to the previous eleven months' emissions.

B.7.b. *Record Keeping Requirements-*

- i. Records of hourly and annual fuel usage shall be kept. [RCSA §22a-174-33(o)(2)]

B.7.c. *Reporting Requirements-*

- i. On a daily basis, review data recorded and calculated for that day and report to the Commissioner within two (2) working days any exceedances of an emission limit. [Section VII.I.]
- ii. Provide written monitoring reports to the Commissioner by the 30<sup>th</sup> day following the

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end of each semi-annual period in accordance with Section VII.E

- iii. Provide the records specified in Section III.B.7.b. to the Commissioner within thirty days of a receipt of a written request from the Commissioner or such sooner time as the Commissioner may require. [RCSA §22a-174-4(c)(1)]

B.8. Emissions of VOC shall not exceed the limitations stated in Table III.B. Notwithstanding any other provision of this permit, the Permittee shall demonstrate compliance with such limitations based on the following requirements:

B.8.a. *Monitoring and Testing requirements-*

- i. Verify emissions using coating application rates, Material Safety Data Sheets and engineering calculations.
- ii. For determining the volatile content of the surface coatings, Reference Method 24 or 24A as found at Appendix A of Title 40 Code of Federal Regulations Part 60 shall be used. When determining the volatile fraction of a coating using American Society of Testing and Materials method D-2369, the bake time must be one (1) hour. [RCSA §22a-174-20(aa)(6)].
- iii. Annual emissions shall be verified by adding the current month's emissions to the previous eleven months' emissions.

B.8.b. *Record Keeping Requirements-*

- i. In accordance with Section VII.F. of this permit, make and maintain the following records for a minimum of five years, commencing on the date such records were created. [RCSA §22a-174-33(o)(2)]  
The Permittee shall maintain daily records of all coatings and diluents used. Such records shall be kept for each individual coating line. The records must contain the following information and be presented to the Bureau upon inspection [RCSA §22a-174-20(aa)(1):
  - A. Date paint used
  - B. Description of coating, including coating name and coating density (lb/gal)
  - C. Volatile organic compound content by weight
  - D. Water and exempt volatile organic compound content by weight
  - E. Non-volatile content by volume and by weight
  - F. Quantity of coating used (gal/hr and gal/day)
  - G. Quantity of diluent used for each paint (lb, gallons)
  - H. Square feet sprayed (ft<sup>2</sup>)
- ii. The source shall keep records of daily and twelve (12) month average PM emissions, as well as cumulative year-to-date paint usage and PM emissions.
- iii. The source shall maintain an annual record of the type and quantity of any solvent used to clean the coating lines. In addition, accurate annual records must be kept of the quantity and type of solvents spilled, evaporated, or manifested as waste material.
- iv. Usage records of this booth and material safety data sheets for each paint and solvent used shall be maintained on site for a period no less than two (2) years and submitted to the Bureau upon request. Material safety data sheets or technical data sheets must include the quantity and type of each hazardous air pollutant contained in the paint or solvent.
- v. Such daily records shall clearly display, at a minimum, compliance with all materials

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usage and emissions limitations set forth in this permit.

#### B.8.c. *Reporting Requirements-*

- i. On a daily basis, review data recorded and calculated for that day and report to the Commissioner within two (2) working days any exceedances of an emission limit. [Section VII.I.]
- ii. Provide written monitoring reports to the Commissioner by the 30<sup>th</sup> day following the end of each semi-annual period in accordance with Section VII.E.
- iii. Provide the records specified in Section III.B.8.b. to the Commissioner within thirty days of a receipt of a written request from the Commissioner or such sooner time as the Commissioner may require. [RCSA §22a-174-4(c)(1)]

B.9. Emissions of CO shall not exceed the limitations stated in Table III.B. Notwithstanding any other provision of this permit, the Permittee shall demonstrate compliance with such limitations based on the following requirements:

#### B.9.a. *Monitoring and Testing requirements-*

- i. Verify emissions using hourly fuel monitoring and engineering calculations. [RCSA §22a-174-22 and RCSA §22a-174-33(j)(1)(K)(ii)]
- ii. Annual emissions shall be verified by adding the current month's emissions to the previous eleven months' emissions.

#### B.9.b. *Record Keeping Requirements-*

- i. Records of hourly and annual fuel usage shall be kept. [RCSA §22a-174-33(o)(2)]

#### B.9.c. *Reporting Requirements-*

- i. On a daily basis, review data recorded and calculated for that day and report to the Commissioner within two (2) working days any exceedances of an emission limit. [Section VII.I.]
- ii. Provide written monitoring reports to the Commissioner by the 30<sup>th</sup> day following the end of each semi-annual period in accordance with Section VII.E.
- iii. Provide the records specified in Section III.B.7.b. to the Commissioner within thirty days of a receipt of a written request from the Commissioner or such sooner time as the Commissioner may require. [RCSA §22a-174-4(c)(1)]

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### C. EU 3

Table III.C.: EU 3				
Operating Scenarios Identification	Pollutants or Process Parameters	Limitations or Restrictions	Applicable Regulatory References/ Citations	Compliance Demonstration Condition Number
SOS-1	Allowable Fuel	Natural Gas	CP/OP-200-0014	C.1
SOS-1	Maximum Fuel Firing Rate	$\leq 400 \text{ ft}^3/\text{hr}$ $\leq 0.4 \text{ MM BTU}/\text{hr}$	CP/OP-200-0014	C.1
SOS-1	Maximum Exhaust Flow Rate	$\leq 890 \text{ ACFM}$	CP/OP-200-0014	C.2
SOS-1	Minimum Stack Height	$\geq 15 \text{ feet above grade}$	CP/OP-200-0014	C.2
SOS-1	Minimum Distance to Property Line	$\geq 375 \text{ feet}$	CP/OP-200-0014	C.2
SOS-1	Operating Hours	$\leq 1300 \text{ hours per consecutive 12 month period}$	CP/OP-200-0014	C.3
SOS-1	PM Emissions	$\leq 0.024 \text{ lb}/\text{hr}$ $\leq 0.063 \text{ lb}/\text{MM BTU}$ $\leq 0.02 \text{ TPY}$	CP/OP-200-0014	C.4
SOS-1	SO <sub>x</sub> Emissions	$\leq 0.00024 \text{ lb}/\text{hr}$ $\leq 0.0006 \text{ lb}/\text{MM BTU}$ $\leq 0.0002 \text{ TPY}$	CP/OP-200-0014	C.5
SOS-1	NO <sub>x</sub> Emissions	$\leq 0.08 \text{ lb}/\text{hr}$ $\leq 0.2 \text{ lb}/\text{MM BTU}$ $\leq 0.05 \text{ lb}/\text{hr}$	CP/OP-200-0014	C.6
SOS-1	VOC Emissions	$\leq 0.002 \text{ lb}/\text{hr}$ $\leq 0.02 \text{ lb}/\text{MM BTU}$ $\leq 0.001 \text{ TPY}$	CP/OP-200-0014	C.7
SOS-1	CO Emissions	$\leq 0.008 \text{ lb}/\text{hr}$ $\leq 0.02 \text{ lb}/\text{MM BTU}$ $\leq 0.005 \text{ TPY}$	CP/OP-200-0014	C.8

### Parameters

C.1. Notwithstanding any other provision of this permit, the Permittee shall demonstrate compliance with the fuel limitations set forth in Table III.C. based on the following requirements.

#### C.1.a. *Record Keeping Requirements-*

In accordance with Section VII.F. of this permit, make and maintain the following records for a minimum of five years, commencing on the date such records were created [RCSA §22a-174-33(o)(2)]:

- i. Shipping receipt from the fuel supplier. The shipping receipt and/or certification shall include the name of the fuel supplier. [RCSA §22a-174-19(a)(5)]
- ii. Documentation of the amount of fuel fired by the unit each hour shall be made each day. Documentation of the amount of fuel fired by the unit each month shall be made each month. Documentation of the amount of fuel fired by the unit for each of the

### Section III: Applicable Requirements and Compliance Demonstration

- iii. prior consecutive twelve months shall be made each month. Calculations showing the maximum actual gross heat input in BTU/hr shall be made each month. Documentation in support of any assumptions or data used in these calculations shall also be maintained.

#### C.1.b. *Reporting Requirements-*

- i. Provide the records specified in Section III.C.1.a. to the commissioner within thirty days of receipt of a written request from the commissioner or such sooner time as the commissioner may require. [RCSA §22a-174-4(c)(1)]
- ii. The Permittee shall provide written monitoring reports to the Commissioner by the 30<sup>th</sup> day following the end of each semi-annual period in accordance with Section VII.E.

#### C.2 Notwithstanding any other provision of this permit, demonstration of compliance with the stack parameters listed in Table III.B shall be based on the following requirements:

##### C.2.a. *Record Keeping Requirements-*

In accordance with Section VII.F. of this permit, the Permittee shall make and maintain the following records for the life of the equipment [§22a-174-33(o)(2)]:

- i. Calculations and documentation, including parametric source test data, showing the exhaust gas flow rates and exhaust gas temperature from the unit. Documentation in support of any assumptions or data used in these calculations shall also be maintained.
- ii. Documentation certifying the actual height of the stacks through which the unit exhausts.
- iii. Documentation certifying the distance of the stack to the nearest property line.

##### C.2.b. *Reporting Requirements-*

- i. The Permittee shall provide the records specified in Section III.C.2.a. to the Commissioner within thirty days of receipt of a written request from the Commissioner or such sooner time as the Commissioner may require. [RCSA §22a-174-4(c)(1)]

#### C.3. Notwithstanding any other provision of this permit, demonstration of compliance with the hours of operation listed in Table. III.C. shall be based on the following requirements:

##### C.3.a. *Record Keeping Requirements-*

In accordance with Section VII.F. of this permit, the Permittee shall make and maintain the following records for a minimum of five years, commencing on the date such records were created. [RCSA §22a-174-33(o)(2)]:

- i. Documentation of the total hours of operation of the unit for each day, for each month, and for each rolling twelve month shall be made.

##### C.3.b. *Reporting Requirements-*

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- i. The Permittee shall provide the records specified in Section III.C.3.a. to the Commissioner within thirty days of receipt of a written request from the Commissioner of such sooner time as the Commissioner may require. [RCSA §22a-174-4(c)(1)]

#### Emissions

- C.4. Emissions of PM shall not exceed the limitations stated in Table III.C. Notwithstanding any other provision of this permit, the Permittee shall demonstrate compliance with such limitations based on the following requirements:

C.4.a. *Monitoring and Testing Requirements-*

- i. Verify emissions using hourly fuel monitoring and engineering calculations. [RCSA §22a-174-33(j)(1)(K)(ii)]
- ii. Annual emissions shall be verified by adding the current month's emissions to the previous eleven months' emissions. [RCSA §22a-174-33(j)(1)(K)(ii)]

C.4.b. *Record Keeping Requirements-*

- i. Records of hourly and annual fuel usage shall be kept. [RCSA §22a-174-33(o)(2)]

C.4.c. *Reporting Requirements-*

- i. On a daily basis, review data recorded and calculated for that day and report to the Commissioner within two (2) working days any exceedances of an emission limit. [Section VII.I.]
- ii. Provide written monitoring reports to the Commissioner by the 30<sup>th</sup> day following the end of each semi-annual period in accordance with Section VII.E.
- iii. Provide the records specified in Section III.C.4.b. to the Commissioner within thirty days of a receipt of a written request from the Commissioner or such sooner time as the Commissioner may require. [RCSA §22a-174-4(c)(1)]

- C.5. Emissions of SO<sub>x</sub> shall not exceed the limitations stated in Table III.C. Notwithstanding any other provision of this permit, the Permittee shall demonstrate compliance with such limitations based on the following requirements:

C.5.a. *Monitoring and Testing Requirements-*

- i. Verify emissions using hourly fuel monitoring and engineering calculations. [RCSA §22a-174-33(j)(1)(K)(ii)]
- ii. Annual emissions shall be verified by adding the current month's emissions to the previous eleven months' emissions. [RCSA §22a-174-33(j)(1)(K)(ii)]

C.5.b. *Record Keeping Requirements-*

- i. Records of hourly and annual fuel usage shall be kept. [RCSA §22a-174-33(o)(2)]

### Section III: Applicable Requirements and Compliance Demonstration

#### C.5.c. *Reporting Requirements-*

- i. On a daily basis, review data recorded and calculated for that day and report to the Commissioner within two (2) working days any exceedances of an emission limit. [Section VII.I.]
- ii. Provide written monitoring reports to the Commissioner by the 30<sup>th</sup> day following the end of each semi-annual period in accordance with Section VII.E.
- iii. Provide the records specified in Section III.C.5.b. to the Commissioner within thirty days of a receipt of a written request from the Commissioner or such sooner time as the Commissioner may require. [RCSA §22a-174-4(c)(1)]

C.6. Emissions of NO<sub>x</sub> shall not exceed the limitations stated in Table III.C. Notwithstanding any other provision of this permit, the Permittee shall demonstrate compliance with such limitations based on the following requirements:

#### C.6.a. *Monitoring and Testing requirements-*

- i. Verify emissions using hourly fuel monitoring and engineering calculations. [RCSA §22a-174-22 and RCSA §22a-174-33(j)(1)(K)(ii)]
- ii. Annual emissions shall be verified by adding the current month's emissions to the previous eleven months' emissions.

#### C.6.b. *Record Keeping Requirements-*

- i. Records of hourly and annual fuel usage shall be kept. [RCSA §22a-174-33(o)(2)]

#### C.6.c. *Reporting Requirements-*

- i. On a daily basis, review data recorded and calculated for that day and report to the Commissioner within two (2) working days any exceedances of an emission limit. [Section VII.I.]
- ii. Provide written monitoring reports to the Commissioner by the 30<sup>th</sup> day following the end of each semi-annual period in accordance with Section VII.E.
- iii. Provide the records specified in Section III.B.7.b. to the Commissioner within thirty days of a receipt of a written request from the Commissioner or such sooner time as the Commissioner may require. [RCSA §22a-174-4(c)(1)]

C.7. Emissions of VOC shall not exceed the limitations stated in Table III.B. Notwithstanding any other provision of this permit, the Permittee shall demonstrate compliance with such limitations based on the following requirements.

#### C.7.a. *Monitoring and Testing Requirements-*

- i. Verify emissions using hourly fuel monitoring and engineering calculations. [RCSA §22a-174-33(j)(1)(K)(ii)]
- ii. Annual emissions shall be verified by adding the current month's emissions to the previous eleven months' emissions. [RCSA §22a-174-33(j)(1)(K)(ii)]

### Section III: Applicable Requirements and Compliance Demonstration

#### C.7.b. *Record Keeping Requirements-*

In accordance with Section VII.F. of this permit, make and maintain the following records for a minimum of five years, commencing on the date such records were created. [RCSA §22a-174-33(o)(2)]:

- i. Records of hourly fuel usage shall be kept. [RCSA §22a-174-33(o)(2)]

#### C.7.c. *Reporting Requirements-*

- i. On a daily basis, review data recorded and calculated for that day and report to the Commissioner within two (2) working days any exceedances of an emission limit. [Section VII.I.]
- ii. Provide written monitoring reports to the Commissioner by the 30<sup>th</sup> day following the end of each semi-annual period in accordance with Section VII.E.
- iii. Provide the records specified in Section III.C.7.b. to the Commissioner within thirty days of receipt of a written request from the Commissioner or such sooner time as the Commissioner may require. [RCSA §22a-174-4(c)(1)]

C.8. Emissions of CO shall not exceed the limitations stated in Table III.C. Notwithstanding any other provision of this permit, the Permittee shall demonstrate compliance with such limitations based on the following requirements.

#### C.8.a. *Monitoring and Testing Requirements-*

- i. Verify emissions using hourly fuel monitoring and engineering calculations. [RCSA §22a-174-33(j)(1)(K)(ii)]
- ii. Annual emissions shall be verified by adding the current month's emissions to the previous eleven months' emissions. [RCSA §22a-174-33(j)(1)(K)(ii)]

#### C.8.b. *Record Keeping Requirements-*

In accordance with Section VII.F. of this permit, make and maintain the following records for a minimum of five years, commencing on the date such records were created. [RCSA §22a-174-33(o)(2)]:

- i. Records of hourly fuel usage shall be kept. [RCSA §22a-174-33(o)(2)]

#### C.8.c. *Reporting Requirements-*

- iv. On a daily basis, review data recorded and calculated for that day and report to the Commissioner within two (2) working days any exceedances of an emission limit. [Section VII.I.]
- v. Provide written monitoring reports to the Commissioner by the 30<sup>th</sup> day following the end of each semi-annual period in accordance with Section VII.E.
- vi. Provide the records specified in Section III.C.8.b. to the Commissioner within thirty days of receipt of a written request from the Commissioner or such sooner time as the Commissioner may require. [RCSA §22a-174-4(c)(1)]



### Section III: Applicable Requirements and Compliance Demonstration

#### D. EU 43

Table III.D.: EU 43				
Operating Scenarios Identification	Pollutants or Process Parameters	Limitations or Restrictions	Applicable Regulatory References/ Citations	Compliance Demonstration Condition Number
SOS-4	Coating Usage	See "Limitations or Restrictions" below	200-0043-GPSC	B.1.
SOS-4	Work Practice Standards	None	GPSC §5(a) & 200-0043-GPSC	B.2.
SOS-4	VOC	≤ 5 TPY	GPSC §5(a)(1) & 200-0043-GPSC	B.3
SOS-4	PM-10	≤ 3 TPY	GPSC §5(a)(3) & 200-0043-GPSC	B.4
SOS-4	Hazardous Air Pollutants	See "Limitations or Restriction" below		B.5

#### Parameters

D.1. Notwithstanding any other provision of this permit, the Permittee shall demonstrate compliance with the coating usage limitations in Table III.B. based on the following requirements.

##### D.1.a. *Limitations or Restrictions-*

Emissions of VOC at a premise from the authorized activity, including emissions from the cleanup of any article associated with any such operation, shall be in compliance with all applicable limitations provided in RCSA §22a-174-20, Control of Organic Compound Emission. [GPSC §5(a)(2) & GPSC 200-0043-GPSC]

The Permittee of a facility engaged in the surface coating of miscellaneous metal parts and products may operate a coating application system subject to RCSA §22a-174-20(s) that emits volatile organic compounds from any coating in excess of:

- i. 0.52 kg/l (4.3 lb/gal) of coating, excluding water and exempt volatile organic compounds listed on Table 1(a)-1 in RCSA §22a-174-1, delivered to a coating applicator that applies a clear coat;
- ii. 0.42 kg/l (3.5 lb/gal) of coating, excluding water and exempt volatile organic compounds listed on Table 1(a)-1 in RCSA §22a-174-1, delivered to a coating applicator in a coating application system that is air dried or forced warm air dried at temperatures up to 90 degrees C (194 degrees F);
- iii. 0.42 kg/l (3.5 lb/gal) of coating, excluding water and exempt volatile organic compounds listed on Table 1(a)-1 in RCSA §22a-174-1, delivered to a coating applicator that applies extreme performance coatings;
- iv. 0.36 kg/l (3.0 lb/gal) of coating, excluding water and exempt volatile organic compounds listed on Table 1(a)-1 in RCSA §22a-174-1, delivered to a coating applicator for all other coatings, adhesives, fillers or sealants and coating application systems. [RCSA §22a-174-20(s)(3)]

### Section III: Applicable Requirements and Compliance Demonstration

Notwithstanding the requirements of this subsection, the Permittee may use, in aggregate, up to fifty-five (55) gallons of coatings that exceed the emission limitations set forth in subparagraph (3)(a) through (3)(e), inclusive, of this section at such premise for any twelve (12) consecutive months, provided such owner or operator maintains records of such coatings in accordance with subsection 20(aa) of this section. [RCSA §22a-174-20(s)(10)]

#### D.1.b. *Monitoring and Testing Requirements-*

The Permittee shall monitor the coating usage by the surface coater using purchasing records. [GPSC §5(b)(1)(H) & 200-0043-GPSC]

#### D.1.c. *Record Keeping Requirements-*

- i. The Permittee shall make and keep daily records of all coatings and diluents used for the surface coater in accordance with Section VII.F. of this permit and RCSA §22a-174-33(o)(2), and submit such records to the Commissioner upon request. The records must contain the information required below:
  - A. Description of the coating including the coating name and the coating density in pounds per gallon;
  - B. Volatile organic compound content by weight;
  - C. Water and exempt volatile organic compound content by weight;
  - D. Non-volatile content by volume and weight;
  - E. Amount of each coating used in gallons;
  - F. Total amount of diluent used for each coating in pounds and gallons. [RCSA §22a-174-20(aa)(1)]
- ii. The Permittee shall maintain the following monthly and annual records:
  - A. The aggregate amount, by volume, of each calendar month, and each consecutive twelve months. [GPSC §5(b)(2)]
  - B. With respect to each coating or solvent used, as applied [GPSC §5(b)(1)(H)]:
    1. the name and identification number;
    2. the VOC content, expressed in pounds per gallon;
    3. all material safety data sheets or technical data sheets;
    4. all records of purchasing, including without limitation purchase orders, invoices, and packing slips; and
    5. all disposal manifests, including amount and type of material removed from the premise for disposal.

#### D.1.c. *Reporting Requirements-*

- i. If the Commissioner requests any information, pertinent to the authorized activity or to compliance with this general permit or with the Permittee's approval of registration, the Permittee shall provide such information within 30 days of such request. [GPSC §5(d)(1)]
- ii. The Permittee shall report any violation of the conditions of the general permit, or of an approval of registration, to the Commissioner immediately upon the discovery thereof. [GPSC §5(d)(2)]

### Section III: Applicable Requirements and Compliance Demonstration

#### D.2. *Work/ O & M Practice Requirements-*

D.2.a. Notwithstanding any other provision of this permit, the Permittee shall demonstrate compliance with the Work/O & M Requirements. The Permittee shall assure that authorized activities are conducted in accordance with the following conditions:

- i. The Permittee shall ensure that the authorized activity complies with all applicable New Source Performance Standards, 40 CFR Part 60, National Standards for Hazardous Air Pollutants, 40 CFR Part 61, and/or MACT standards, 40 CFR Part 63. [GPSC §5(a)(5)]
- ii. Any part to be used in the subject operation that must be cleaned prior to base coat materials application shall be hand-wiped with a rag or cloth containing the cleaning surface preparation product. [GPSC §5(a)(6)]
- iii. Any applicator used in connection with the authorized activity shall have a transfer efficiency guaranteed by the manufacturer of at least sixty-five (65%). [GPSC §5(a)(7)]
- iv. Such an applicator shall be cleaned in a device that [GPSC §5(a)(8)]:
  - A. Minimizes solvent evaporation during cleaning, rinsing, and draining operation;
  - B. Collects spent solvent so that it is available for proper disposal or recycling; and
  - C. Is kept closed at all times when not in use.
- v. Such an applicator shall be cleaned in a device that [GPSC §5(a)(9)]:
  - A. Recirculates solvent during the cleaning operation so that the solvent is reused until it no longer cleans satisfactorily;
  - B. Discharges un-atomized cleaning solvent into a waste container;
  - C. Cleans disassembled applicator in a vat; or
  - D. Discharges atomized cleaning solvent into a waste container that is fitted with a device designed to capture emissions.
- vi. A coating shall be applied in a location such that the air stream from the authorized activity passes through. [GPSC §5(a)(10)]
  - A. A dry filter media system;
  - B. A waterwash system; or
  - C. Any other particulate control equipment having a manufacturer's guaranteed control efficiency of at least ninety-seven percent (97%).
- vii. The particulate control system shall remain fully operational at all times when the applicator equipment is in use. [GPSC §5(a)(11)]
- viii. Any VOC control system used in connection with the authorized activity shall have an overall control efficiency guaranteed by the manufacturer of at least eighty-one (81%) unless a more stringent efficiency is required by RCSA §22a-174-20. [GPSC §5(a)(12)]

D.3. Notwithstanding any other provision of this permit, the Permittee shall demonstrate compliance with the VOC emission limitations in Table III.B. based on the following requirements.

#### D.3.a. *Monitoring and Testing Requirements-*

- i. The Permittee shall calculate the VOC emissions emitted by the surface coater using a material balance of the VOC in the paint. [RCSA §22a-174-33(j)(1)(K)(ii)]

### Section III: Applicable Requirements and Compliance Demonstration

#### D.3.b. *Record Keeping Requirements-*

- i. The Permittee shall make and keep records of the monthly and annual emissions of each pollutant emitted for the surface coater in accordance with Section VII.F. of this permit and RCSA §22a-174-33(o)(2), and shall submit such records to the Commissioner upon request. [GPSC §5(b)(1)(B) & (C)]
- ii. Annual emissions shall be calculated each calendar month by adding the current calendar month's emissions to those of the previous eleven months. [GPSC §5(b)(2)]

#### D.3.c. *Reporting Requirements-*

- i. If the Commissioner requests any information pertinent to the authorized or to compliance with this general permit or with the Permittee's approval of registration, the Permittee shall provide such information within 30 days of such request. [GPSC §5(d)(1)]
- ii. The Permittee shall report any violation of the conditions of the general permit, or of an approval of registration, to the Commissioner immediately upon discovery thereof. [GPSC §5(d)(2)].

D.4. Notwithstanding any other provision of this permit, the Permittee shall demonstrate compliance with the PM-10 emission limitations in Table III.B. based on the following requirements.

#### D.4.a. *Monitoring and Testing Requirements-*

- i. The Permittee shall calculate the PM-10 emissions emitted by the surface coater using a material balance of the PM-10 in the paint. [RCSA §22a-174-33(j)(1)(K)(ii)]

#### D.4.b. *Record Keeping Requirements-*

- i. The Permittee shall make and keep records of the monthly and annual emissions of each pollutant emitted for the surface coater in accordance with Section VII.F. of this permit and RCSA §22a-174-33(o)(2), and shall submit such records to the Commissioner upon request. [GPSC §5(b)(1)(B) & (C)]
- ii. Annual emissions shall be calculated each calendar month by adding the current calendar month's emissions to those of the previous eleven months. [GPSC §5(b)(2)]

#### D.4.c. *Reporting Requirements-*

- i. If the Commissioner requests any information, pertinent to the authorized activity or to compliance with this general permit or with the Permittee's approval of registration, the Permittee shall provide such information within 30 days of such request. [GPSC §5(d)(1)]
- ii. The Permittee shall report any violation of the conditions of the general permit, or of an approval of registration, to the Commissioner immediately upon discovery thereof. [GPSC §5(d)(2)].

D.5. Notwithstanding any other provision of this permit, the Permittee shall demonstrate compliance with

### Section III: Applicable Requirements and Compliance Demonstration

the hazardous air pollutant limitations in Table III.B. based on the following requirements.

D.5.a. *Limitations or Restrictions*

- i. The Permittee shall ensure that the hazardous air pollutant emissions from each operation authorized comply with all applicable MASC limits under RCSA §22a-174-29, Tables 29-1, 29-2 and 29-3. A coating, solvent, thinner, or other compound used in an authorized operation, either for production or on a trial basis, which will emit a hazardous air pollutant may be utilized only if the Permittee ensures that such emission complies with the applicable MASC. [GPSC §5(a)(4) & GPSC 200-0043-GPSC]

D.5.b. *Monitoring and Testing Requirements*

- i. The Permittee shall calculate the actual stack concentration (ASC) and the maximum allowable stack concentration (MASC) of each hazardous air pollutant (HAP) listed in Tables 29-1, 29-2, and 29-3 of RCSA §22a-174-29 that is emitted by this emission unit. The Permittee shall demonstrate, by comparing the results from such calculations, that the ASC of each HAP does not exceed the appropriate MASC. [RCSA §22a-174-33(j)(1)(K)(ii)]

The MASC shall be calculated using the following equation (for discharge points ≤ 20 meters):

$$\text{MASC} = \frac{0.885 * \text{HLV} (x + 1.08v^{0.64})^{1.56}}{v}$$

where

x = 10 meters or the distance from the discharge point to the nearest property line

v = the average actual flow rate (in cubic meters per second)

HLV = the applicable hazard limiting value found in Tables 29-1, 29-2, and 29-3.

The ASC shall be derived using the HAPs content as applied (lb HAP/gal), the maximum application rate (gal/hr) as a worst case, and any applicable controls. This gives the actual stack emissions in lb/hr which can be converted to a concentration in ug/m<sup>3</sup> or ppmv.

D.5.b. *Record Keeping Requirements*

- i. The Permittee shall make and keep records of the ASC and MASC calculations that demonstrate compliance for each HAP listed in RCSA §22a-174-29, Tables 29-1, 29-2, and 29-3 emitted by this emission unit in accordance with Section VII.F. of this permit and RCSA §22a-174-33(o)(2), and shall submit such records to the Commissioner upon request. [GPSC §5(b)(D)]

D.5.c. *Reporting Requirements*

- i. If the Commissioner requests any information, pertinent to the authorized activity or to compliance with this general permit or with the Permittee's approval of registration, the Permittee shall provide such information within 30 days of such request. [GPSC §5(d)(1)]

### Section III: Applicable Requirements and Compliance Demonstration

- ii. The Permittee shall report any violation of the conditions of the General Permit, or of an approval of registration, to the Commissioner immediately upon discovery thereof. [GPSC §5(d)(2)]

#### E. PREMISES-WIDE GENERAL REQUIREMENTS

Table III.E: PREMISES-WIDE GENERAL REQUIREMENTS			
Pollutants or Process Parameters	Limitations or Restrictions	Applicable Regulatory References/ Citations	Compliance Demonstration Condition Number
Opacity	Less than or equal to 20% (average of 24 consecutive observations (set) recorded at 15 second intervals, minimum of 3 sets in a 60 minute period)  Less than or equal to 40% (no longer than 5 minutes (aggregated) in any 60 minute period)	RCSA §22a-174-18(a)(1)(i)  RCSA §22a-174-18(a)(1)(ii)	E.1
SOx	Less than or equal to 1% sulfur by weight (dry basis) in fuel  Less than or equal to 0.3% sulfur by weight (dry basis) in distillate fuel	RCSA §22a-174-19(a)(2)(i)  CGS RCSA §16a-21a	E.2
NOx Emissions	The Permittee shall make and keep records showing the total daily, monthly and annual NOx emissions from the premises.	RCSA §22a-174-22(b)(2) and RCSA §22a-174-22(j)(1)	
Air Quality Standards	The Permittee shall not operate any source which significantly causes or contributes to a violation of an ambient air quality standard.	RCSA §22a-174-24(b)	
Emission Fees	The Permittee shall pay an emission fee in accordance with RCSA §22a-174-26(d)	RCSA §22a-174-26(d)	
Open Burning	The Permittee is prohibited from conducting open burning, except as may be allowed by CGS §22a-174(f).	CGS §22a-174(f)	
Severability	Severability shall apply as specified in RCSA §22a-174-15	RCSA §22a-174-15	
Air Pollution Emergency Episode	The Permittee shall comply with RCSA §22a-174-6(c) in case of an emergency episode.	RCSA §22a-174-6	
Prohibition against Concealment/Circumvention	The Permittee shall comply with the prohibition against concealment or circumvention as specified in RCSA §22a-174-11.	RCSA §22a-174-11	

E.1. The Permittee shall demonstrate compliance with the opacity limitations set forth in Table III.I. based on the following requirements:

##### E.1.a. *Monitoring and Testing Requirements-*

Upon written request of the commissioner, the Permittee shall verify opacity using Title 40 Code of Federal Regulations Part 60, Method 9.

### Section III: Applicable Requirements and Compliance Demonstration

#### E.1.b. *Record Keeping Requirements-*

In accordance with Section VII.F. of this permit, make and maintain the following records for a minimum of five years, commencing on the date such records were created [RCSA §22a-174-33(o)(2)]:

- i. Records of the dates, times, and places of all visible emission observations, persons performing the observations, test methods used, the operating conditions at the time of observation, and the results of such observation. [RCSA §22a-174-4(c)(1)]

#### E.1.c. *Reporting Requirements-*

- i. Provide written monitoring reports to the commissioner by the 30<sup>th</sup> day following the end of each semi-annual period in accordance with Section VII.E.
- ii. Provide the records specified in Section III.I.1.b. to the commissioner within thirty days of receipt of a written request from the commissioner or such sooner time as the commissioner may require. [RCSA §22a-174-4(c)(1)]

E.2. The Permittee shall demonstrate compliance with the SO<sub>x</sub> limitations set forth in Table III.I. based on the following requirements for emission units other than EU 1, 2 and 3:

#### E.2.a. *Monitoring and Testing Requirements-*

- i. Verify emissions using fuel analyses on each fuel shipment. [RCSA §22a-174-19(a)(5)]
- ii. Analysis for the sulfur content of liquid fuels shall be done according to the most current American Society for Testing and Materials methods D 129 or D 1552. [RCSA §22a-174-5(b)(1)]

#### E.2.b. *Record Keeping Requirements-*

In accordance with Section VII.F. of this permit, make and maintain the following records for a minimum of five years, commencing on the date such records were created [RCSA §22a-174-33(o)(2)]:

- i. Fuel merchant certification from the fuel supplier certifying the type of fuel in the shipment and the weight percent of sulfur in the fuel for each fuel shipment. [RCSA §22a-174-19(a)(5)]
- ii. Shipping receipt from the fuel supplier. The shipping receipt and/or certification shall include the name of the oil supplier, the sulfur content of the oil and the method used to determine the sulfur content of the oil. [RCSA §22a-174-19(a)(5)]

#### E.2.c. *Reporting Requirements-*

- i. Provide written monitoring reports to the commissioner by the 30<sup>th</sup> day following the end of each semi-annual period in accordance with Section VII.E.
- ii. Provide the records specified in Section III.I.2.b. to the commissioner within thirty days of receipt of a written request from the commissioner or such sooner time as the commissioner may require. [RCSA §22a-174-4(c)(1)]

### **Section III: Applicable Requirements and Compliance Demonstration**

#### **F. 112(r) ACCIDENTAL RELEASE REQUIREMENTS**

Should this stationary source, as defined in 40 CFR section 68.3, become subject to the accidental release prevention regulations in 40 CFR Part 68, the Permittee shall submit a risk management plan (RMP) to the Administrator by the date specified in section 68.10.

#### **G. ASBESTOS REQUIREMENTS**

Should this stationary source, as defined in 40 CFR section 61.145, become subject to the national emission standard for asbestos regulations in subpart M of 40 CFR Part 61 when conducting any renovation or demolition at this premises, then the owner or operator shall submit proper notification as described in 40 CFR section 61.145(b) and shall comply with all other applicable requirements of including but not limited to subpart M.



Section IV: Compliance Schedule

NOT APPLICABLE

Table IV: COMPLIANCE SCHEDULE				
Emission Unit	Applicable Regulations	Steps required for achieving compliance (Milestones)	Date by which each step is to be completed	Dates for monitoring, record keeping, and reporting
N/A				

## **Section V: State Enforceable Terms And Conditions**

Only the commissioner of the Department of Environmental Protection has the authority to enforce the terms, conditions and limitations contained in this section.

- A.** This permit does not relieve the permittee of the responsibility to conduct, maintain and operate the emissions units in compliance with all applicable requirements of any other Bureau of the Department of Environmental Protection or any federal, local or other state agency. Nothing in this permit shall relieve the permittee of other obligations under applicable federal, state and local law.
- B.** Nothing in this permit shall affect the Commissioner's authority to institute any proceeding or take any other action to prevent or abate violations of law, prevent or abate pollution, investigate air pollution, recover costs and natural resource damages, and to impose penalties for violations of law, including but not limited to violations of this or any other permit issued to the permittee by the Commissioner.
- C.** Odors: The permittee shall not cause or permit the emission of any substance or combination of substances which creates or contributes to an odor beyond the property boundary of the premises as set forth in RCSA Section 22a-174-23.
- D.** Odors: The Permittee shall not cause or permit the emission of any substance or combination of substances which creates or contributes to an odor beyond the property boundary of the premises in accordance with the provisions of RCSA Section 22a-174-23. Failure to comply with this requirement may result in the assessment of civil penalties and/or the issuance of a State Order.
- E.** Hazardous Air Pollutants (HAPs): The permittee shall operate in compliance with the regulations for the control of HAPs as set forth in RCSA Section 22a-174-29.
- F.** Open Burning: The permittee is prohibited from conducting open burning, except as may be allowed by CGS Section 22a-174(f).
- G.** Fuel Sulfur Content: The permittee shall not use #2 heating oil that exceeds three-tenths of one percent sulfur by weight as set forth in CGS Section 16a-21a.

## Section VI: Permit Shield

### NO PERMIT SHIELDS HAS BEEN GRANTED

In accordance with Section 22a-174-33(k) of the RCSA, a Permittee complying with the conditions of this permit shall be deemed in compliance with any applicable requirements identified in Table VI as of the date of issuance of this permit. Also, in accordance with Section 22a-174-33(k) of the RCSA, a Permittee complying with the conditions of this permit shall be deemed exempt from any non-applicable requirements identified below as of the date of issuance.

This permit shall not alter or affect the following:

- A. The provisions of section 303 of the Clean Air Act, including the authority of the Administrator under the Act;
- B. The liability of an owner or operator of a Title V source for any violation of applicable requirements prior to or at the effective date of a Title V permit;
- C. The applicable requirements of the acid rain program under 40 CFR Part 72; and
- D. The ability of the Administrator or commissioner to obtain information from the owner or operator of a Title V source.

Table VI: PERMIT SHIELD				
Regulated Pollutants	Emissions Units	Applicable Requirement or Non-Applicable Requirement Descriptions	Applicable Regulatory References/ Citations	*Permit Shield Indicate
N/A				

\*For "Permit Shield Indicate", use AR to indicate Applicable Requirement and NR for Non- Applicable Requirement

## **Section VII: Title V Requirements**

The Administrator of the United States Environmental Protection Agency and the Commissioner of Environmental Protection have the authority to enforce the terms and conditions contained in these sections.

### **A. SUBMITTALS TO THE COMMISSIONER & ADMINISTRATOR**

The date of submission to the Commissioner of any document required by this permit shall be the date such document is received by the Commissioner. The date of any notice by the Commissioner under this permit, including, but not limited to notice of approval or disapproval of any document or other action, shall be the date such notice is delivered or the date three days after it is mailed by the Commissioner, whichever is earlier. Except as otherwise specified in this permit, the word "day" means calendar day. Any document or action which is required by this permit to be submitted or performed by a date which falls on a Saturday, Sunday or legal holiday shall be submitted or performed by the next business day thereafter.

Any document required to be submitted to the Commissioner under this permit shall, unless otherwise specified in writing by the Commissioner, be directed to: Office of the Assistant Director; Compliance & Field Operations Division; Bureau of Air Management; Department of Environmental Protection; 79 Elm Street, 5th Floor; Hartford, Connecticut 06106-5127.

Any submittal to the Administrator of the U. S. Environmental Protection Agency shall be in a computer-readable format and addressed to: Director, Air Compliance Program; Attn: Air Compliance Clerk; Office of Environmental Stewardship; US EPA, Region 1; One Congress Street; Suite 1100 (SEA); Boston, MA 02114-2023.

### **B. CERTIFICATIONS [RCSA § 22a-174-33(b)]**

In accordance with Section 22a-174-33(b) of the RCSA, any report or other document required by this Title V permit and any other information submitted to the Commissioner or Administrator shall be signed by an individual described in Section 22a-174-2a(a) of the RCSA, or by a duly authorized representative of such individual. Any individual signing any document pursuant to Section 22a-174-33(b) of the RCSA shall examine and be familiar with the information submitted in the document and all attachments thereto, and shall make inquiry of those individuals responsible for obtaining the information to determine that the information is true, accurate, and complete, and shall also sign the following certification as provided in Section 22a-174-2a(a)(5) of the RCSA:

“I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that any false statement made in the submitted information may be punishable as a criminal offense under Section 22a-175 of the Connecticut General Statutes, under Section 53a-157b of the Connecticut General Statutes, and in accordance with any applicable statute.”

### **C. SIGNATORY RESPONSIBILITY [RCSA § 22a-174-2a(a)]**

If an authorization pursuant to Section 22a-174-2a(a) of the RCSA is no longer effective because a different individual or position has assumed the applicable responsibility, a new authorization satisfying the requirements of Section 22a-174-2a(a)(2) of the RCSA shall be submitted to the Commissioner prior to or together with the submission of any applications, reports, forms, compliance certifications, documents or other information which is signed by an individual or a duly authorized representative of such individual pursuant to Section 22a-174-2a(a)(2) of the RCSA.

## **Section VII: Title V Requirements**

### **D. ADDITIONAL INFORMATION [RCSA § 22a-174-33(j)(1)(X)]**

The permittee shall submit additional information in writing, at the Commissioner's request, within thirty (30) days of receipt of notice from the Commissioner or by such other date specified by the Commissioner, whichever is earlier, including information to determine whether cause exists for modifying, revoking, reopening, reissuing, or suspending the permit or to determine compliance with the permit.

In addition, within fifteen days of the date the permittee becomes aware of a change in any information submitted to the Commissioner under this permit or of any change in any information contained in the application, or that any such information was inaccurate or misleading or that any relevant information was omitted, the permittee shall submit the changed, corrected, or omitted information to the Commissioner.

### **E. MONITORING REPORTS [RCSA § 22a-174-33(o)(1)]**

A permittee, required to perform monitoring pursuant this permit, shall submit to the Commissioner, on forms prescribed by the Commissioner, written monitoring reports on January 30 and July 30 of each year or on a more frequent schedule if specified in such permit. Such monitoring reports shall include the date and description of each deviation from a permit requirement including, but not limited to:

1. Each deviation caused by upset or control equipment deficiencies; and
2. Each deviation of a permit requirement that has been monitored by the monitoring systems required under this permit, which has occurred since the date of the last monitoring report; and
3. Each deviation caused by a failure of the monitoring system to provide reliable data.

### **F. PREMISES RECORDS [RCSA § 22a-174-33(o)(2)]**

Unless otherwise required by this permit, the permittee shall make and keep records of all required monitoring data and supporting information for at least five (5) years from the date such data and information were obtained. The permittee shall make such records available for inspection at the site of the subject source, and shall submit such records to the Commissioner upon request. The following information, in addition to required monitoring data, shall be recorded for each permitted source:

1. The type of monitoring or records used to obtain such data, including record keeping;
2. The date, place, and time of sampling or measurement;
3. The name of the individual who performed the sampling or the measurement and the name of such individual's employer;
4. The date(s) on which analyses of such samples or measurements were performed;
5. The name and address of the entity that performed the analyses;
6. The analytical techniques or methods used for such analyses;
7. The results of such analyses;

## **Section VII: Title V Requirements**

8. The operating conditions at the subject source at the time of such sampling or measurement; and
9. All calibration and maintenance records relating to the instrumentation used in such sampling or measurements, all original strip-chart recordings or computer printouts generated by continuous monitoring instrumentation, and copies of all reports required by the subject permit.

### **G. PROGRESS REPORTS [RCSA § 22a-174-33(q)(1)]**

The permittee shall, on January 30 and July 30 of each year, or on a more frequent schedule if specified in this permit, submit to the Commissioner a progress report on forms prescribed by the Commissioner, and certified in accordance with Section 22a-174-2a(a)(5) of the RCSA. Such report shall describe the permittee's progress in achieving compliance under the compliance plan schedule contained in this permit. Such progress report shall:

1. Identify those obligations under the compliance plan schedule in the permit which the permittee has met, and the dates on which they were met; and
2. Identify those obligations under the compliance plan schedule in this permit which the permittee has not timely met, explain why they were not timely met, describe all measures taken or to be taken to meet them and identify the date by which the permittee expects to meet them.

Any progress report prepared and submitted pursuant to Section 22a-174-33(q)(1) of the RCSA shall be simultaneously submitted by the permittee to the Administrator.

### **H. COMPLIANCE CERTIFICATIONS [RCSA § 22a-174-33(q)(2)]**

The permittee shall, on January 30 of each year, or on a more frequent schedule if specified in this permit, submit to the Commissioner, a written compliance certification certified in accordance with Section 22a-174-2a(a)(5) of the RCSA and which includes the information identified in Title 40 CFR 70.6(c)(5)(iii)(A) to (C), inclusive.

Any compliance certification prepared and submitted pursuant to Section 22a-174-33(q)(2) of the RCSA shall be simultaneously submitted by the permittee to the Administrator.

### **I. PERMIT DEVIATION NOTIFICATIONS [RCSA § 22a-174-33(p)]**

Notwithstanding Subsection D of Section VII of this permit, the permittee shall notify the Commissioner in writing, on forms prescribed by the Commissioner, of any deviation from an emissions limitation, and shall identify the cause or likely cause of such deviation, all corrective actions and preventive measures taken with respect thereto, and the dates of such actions and measures as follows:

1. For any hazardous air pollutant, no later than twenty-four (24) hours after such deviation commenced; and
2. For any other regulated air pollutant, no later than ten (10) days after such deviation commenced.

### **J. PERMIT RENEWAL [RCSA § 22a-174-33(j)(1)(B)]**

All of the terms and conditions of this permit shall remain in effect until the renewal permit is issued or denied provided that a timely renewal application is filed in accordance with Sections 22a-174-33(g), -33(h), and -33(i) of the RCSA.

## **Section VII: Title V Requirements**

### **K. OPERATE IN COMPLIANCE [RCSA § 22a-174-33(j)(1)(C)]**

The permittee shall operate the source in compliance with the terms of all applicable regulations, the terms of this permit, and any other applicable provisions of law. In addition, any noncompliance constitutes a violation of the Clean Air Act and Chapter 446c of the Connecticut General Statutes and is grounds for federal and/or state enforcement action, permit termination, revocation and reissuance, or modification, and denial of a permit renewal application.

### **L. COMPLIANCE WITH PERMIT [RCSA § 22a-174-33(j)(1)(G)]**

This permit shall not be deemed to:

1. preclude the creation or use of emission reduction credits or the trading of such credits in accordance with Sections 22a-174-33(j)(1)(I) and 22a-174-33(j)(1)(P) of the RCSA, provided that the Commissioner's prior written approval of the creation, use, or trading is obtained;
2. authorize emissions of an air pollutant so as to exceed levels prohibited under 40 CFR Part 72;
3. authorize the use of allowances pursuant to 40 CFR Parts 72 through 78, inclusive, as a defense to noncompliance with any other applicable requirement; or
4. impose limits on emissions from items or activities specified in Sections 22a-174-33(g)(3)(A) and (B) of the RCSA unless imposition of such limits is required by an applicable requirement.

### **M. INSPECTION TO DETERMINE COMPLIANCE [RCSA § 22a-174-33(j)(1)(M)]**

The Commissioner may, for the purpose of determining compliance with the permit and other applicable requirements, enter the premises at reasonable times to inspect any facilities, equipment, practices, or operations regulated or required under the permit; to sample or otherwise monitor substances or parameters; and to review and copy relevant records lawfully required to be maintained at such premises in accordance with this permit. It shall be grounds for permit revocation should entry, inspection, sampling, or monitoring be denied or effectively denied, or if access to and the copying of relevant records is denied or effectively denied.

### **N. PERMIT AVAILABILITY**

The permittee shall have available at the facility at all times a copy of this Title V Operating Permit.

### **O. SEVERABILITY CLAUSE [RCSA § 22a-174-33(j)(1)(R)]**

The provisions of this permit are severable. If any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the remainder of this permit and the application of such provision to other circumstances shall not be affected.

### **P. NEED TO HALT OR REDUCE ACTIVITY [RCSA § 22a-174-33(j)(1)(T)]**

It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

## **Section VII: Title V Requirements**

### **Q. PERMIT REQUIREMENTS [RCSA § 22a-174-33(j)(1)(V)]**

The filing of an application or of a notification of planned changes or anticipated noncompliance does not stay the permittee's obligation to comply with this permit.

### **R. PROPERTY RIGHTS [RCSA § 22a-174-33(j)(1)(W)]**

This permit does not convey any property rights or any exclusive privileges. This permit is subject to, and in no way derogates from any present or future property rights or other rights or powers of the State of Connecticut, and is further subject to any and all public and private rights and to any federal, state or local laws or regulations pertinent to the facility or regulated activity affected thereby, including Section 4-181a(b) of the Connecticut General Statutes and Section 22a-3a-5(b) of the RCSA. This permit shall neither create nor affect any rights of persons who are not parties to this permit.

### **S. ALTERNATIVE OPERATING SCENARIO RECORDS [RCSA § 22a-174-33(o)(3)]**

The permittee shall, contemporaneously with making a change authorized by this permit from one alternative operating scenario to another, maintain a record at the premises indicating when changes are made from one operating scenario to another and shall maintain a record of the current alternative operating scenario.

### **T. OPERATIONAL FLEXIBILITY AND OFF-PERMIT CHANGES [RCSA § 22a-174-33(r)(2)]**

The permittee may engage in any action allowed by the Administrator in accordance with 40 CFR 70.4(b)(12)(i) to (iii)(B) inclusive, and 40 CFR 70.4(b)(14)(i) to (iv), inclusive without a Title V non-minor permit modification, minor permit modification or revision and without requesting a Title V non-minor permit modification, minor permit modification or revision provided such action does not:

1. constitute a modification under 40 CFR 60, 61 or 63,
2. exceed emissions allowable under the subject permit,
3. constitute an action which would subject the permittee to any standard or other requirement pursuant to 40 CFR 72 to 78, inclusive, or
4. constitute a non-minor permit modification pursuant to Section 22a-174-2a(d)(4) of the RCSA.

At least seven (7) days before initiating an action specified in Section 22a-174-33(r)(2)(A) of the RCSA, the permittee shall notify the Administrator and the Commissioner in writing of such intended action.

### **U. INFORMATION FOR NOTIFICATION [RCSA § 22a-174-33(r)(2)(A)]**

Written notification required under Section 22a-174-33(r)(2)(A) of the RCSA shall include a description of each change to be made, the date on which such change will occur, any change in emissions that may occur as a result of such change, any Title V permit terms and conditions that may be affected by such change, and any applicable requirement that would apply as a result of such change. The permittee shall thereafter maintain a copy of such notice with the Title V permit. The Commissioner and the permittee shall each attach a copy of such notice to their copy of the permit.



## **Section VII: Title V Requirements**

### **V. TRANSFERS [RCSA § 22a-174-2a(g)]**

No person other than the permittee shall act or refrain from acting under the authority of this permit unless this permit has been transferred to another person in accordance with Section 22a-174-2a(g) of the RCSA.

The proposed transferor and transferee of a permit shall submit to the Commissioner a request for a permit transfer on a form provided by the Commissioner. A request for a permit transfer shall be accompanied by any fees required by any applicable provision of the general statutes or regulations adopted thereunder. The Commissioner may also require the proposed transferee to submit with any such request, the information identified in CGS Section 22a-6m.

### **W. REVOCATION [RCSA § 22a-174-2a(h)]**

The Commissioner may revoke this permit on his own initiative or on the request of the permittee or any other person, in accordance with Section 4-182c of the Connecticut General Statutes, Section 22a-3a-5(d) of the RCSA, and any other applicable law. Any such request shall be in writing and contain facts and reasons supporting the request. The permittee requesting revocation of this permit shall state the requested date of revocation and provide the Commissioner with satisfactory evidence that the emissions authorized by this permit have been permanently eliminated.

Pursuant to the Clean Air Act, the Administrator has the power to revoke this permit. Pursuant to the Clean Air Act, the Administrator also has the power to reissue this permit if the Administrator has determined that the Commissioner failed to act in a timely manner on a permit renewal application.

This permit may be modified, revoked, reopened, reissued, or suspended by the Commissioner, or the Administrator in accordance with Section 22a-174-33(r) of the RCSA, Connecticut General Statutes Section 22a-174c, or Section 22a-3a-5(d) of the RCSA.

### **X. REOPENING FOR CAUSE [RCSA § 22a-174-33(s)]**

This permit may be reopened by the Commissioner, or the Administrator in accordance with Section 22a-174-33(s) of the RCSA.

### **Y. CREDIBLE EVIDENCE**

Notwithstanding any other provision of this permit, for the purpose of determining compliance or establishing whether a permittee has violated or is in violation of any permit condition, nothing in this permit shall preclude the use, including the exclusive use, of any credible evidence or information.